

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 05-033159 (71)Applicant : YOKOGAWA MEDICAL SYST LTD

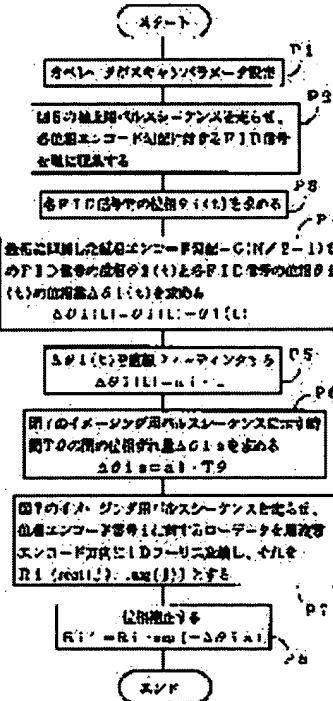
(22)Date of filing : 23.02.1993 (72)Inventor : INOUE YUJI

(54) MRI EQUIPMENT

(57)Abstract:

PURPOSE: To correct the influence of residual magnetization caused by a hysteresis characteristic and a gradient magnetic field of a magnetic plate.

CONSTITUTION: An offset current is allowed to flow in a gradient coil, an offset gradient magnetic field is formed on a frequency encoding axis, a hysteresis gradient magnetic field on the frequency encoding axis is negated, and ununiformity of a static magnetic field is corrected. Also, a phase shift $\Delta\theta$ is generated by the hysteresis gradient magnetic field is corrected by calculation, and a correct phase is reproduced. In such a way, a distortion of an image and deterioration of a picture quality can be prevented.



LEGAL STATUS

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